

North Adams

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	10.92	12	110	Male	6.94	6	86
Female	5.31	5	94	Female	6.15	4	NC*
Total	16.23	17	105	Total	13.09	10	76
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	3.08	4	NC*	Male	2.07	1	NC*
Female	2.94	1	NC*	Female	2.28	2	NC*
Total	6.03	5	83	Total	4.34	3	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.50	0	NC*	Male	8.52	7	82
Female	73.79	76	103	Female	9.53	13	136
Total	74.29	76	102	Total	18.04	20	111
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	3.95	5	127	Male	6.32	10	158
				Female	3.82	1	NC*
				Total	10.15	11	108
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	26.97	37	137	Female	8.56	8	93
Female	33.53	37	110				
Total	60.49	74	122				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	3.73	2	NC*	Male	4.48	8	178
Female	1.63	5	306	Female	6.11	4	NC*
Total	5.36	7	131	Total	10.59	12	113
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	1.58	2	NC*	Male	65.40	74	113
Female	1.38	1	NC*				
Total	2.96	3	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	6.09	10	164	Male	4.55	4	NC*
Female	4.69	10	213 #+	Female	3.65	5	137
Total	10.78	20	186 #+	Total	8.20	9	110
<u>Larynx</u>				<u>Testis</u>			
Male	3.44	1	NC*	Male	2.42	0	NC*
Female	1.03	1	NC*				
Total	4.47	2	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	5.02	7	139	Male	1.35	0	NC*
Female	4.77	4	NC*	Female	3.95	5	127
Total	9.80	11	112	Total	5.30	5	94
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	2.37	2	NC*	Female	14.19	21	148
Female	1.31	0	NC*				
Total	3.68	2	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	33.68	38	113	Male	214.11	244	114 #+
Female	32.59	33	101	Female	244.04	261	107
Total	66.27	71	107	Total	458.15	505	110 #+

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

North Andover

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	14.29	14	98	Male	10.39	15	144
Female	5.74	10	174	Female	8.36	3	NC*
Total	20.03	24	120	Total	18.75	18	96
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	4.82	4	NC*	Male	2.92	2	NC*
Female	3.97	5	126	Female	2.69	4	NC*
Total	8.79	9	102	Total	5.61	6	107
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.71	1	NC*	Male	12.36	9	73
Female	100.32	83	83	Female	11.41	11	96
Total	101.02	84	83	Total	23.78	20	84
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	5.80	7	121	Male	10.03	7	70
				Female	4.85	3	NC*
				Total	14.88	10	67
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	35.91	29	81	Female	11.71	15	128
Female	35.96	36	100				
Total	71.87	65	90				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	5.56	8	144	Male	6.24	9	144
Female	1.74	2	NC*	Female	6.66	5	75
Total	7.30	10	137	Total	12.90	14	109
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	2.43	2	NC*	Male	93.92	109	116
Female	1.94	1	NC*				
Total	4.37	3	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	9.20	9	98	Male	6.17	5	81
Female	5.89	4	NC*	Female	3.86	2	NC*
Total	15.09	13	86	Total	10.03	7	70
<u>Larynx</u>				<u>Testis</u>			
Male	5.32	6	113	Male	3.64	5	137
Female	1.39	0	NC*				
Total	6.71	6	89				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	7.18	3	NC*	Male	2.18	3	NC*

Female	5.84	7	120	Female	5.94	11	185
Total	13.02	10	77	Total	8.13	14	172
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	3.57	7	196				
Female	1.48	0	NC*	Female	19.47	20	103
Total	5.04	7	139				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	47.11	44	93	Male	304.04	312	103
Female	40.28	36	89	Female	306.76	293	96
Total	87.40	80	92	Total	610.81	605	99

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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North Attleborough

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	13.96	12	86	Male	10.24	16	156
Female	5.16	1	NC*	Female	8.00	5	62
Total	19.11	13	68	Total	18.24	21	115
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	4.77	6	126	Male	2.81	2	NC*
Female	3.79	3	NC*	Female	2.40	1	NC*
Total	8.56	9	105	Total	5.20	3	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.68	0	NC*	Male	12.27	7	57
Female	92.11	96	104	Female	10.48	10	95
Total	92.79	96	103	Total	22.76	17	75
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	5.76	4	NC*	Male	9.59	11	115
				Female	4.42	9	204
				Total	14.01	20	143
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	34.96	34	97	Female	10.90	16	147
Female	32.32	41	127				
Total	67.28	75	111				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	5.28	5	95	Male	6.03	5	83
Female	1.56	4	NC*	Female	5.95	6	101
Total	6.84	9	132	Total	11.99	11	92
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	2.59	2	NC*	Male	88.51	52	59 ^-
Female	2.03	2	NC*				

Total	4.62	4	NC*
<u>Kidney and Renal Pelvis</u>			
Male	8.82	7	79
Female	5.34	0	NC*
Total	14.16	7	49
<u>Larynx</u>			
Male	5.02	3	NC*
Female	1.24	1	NC*
Total	6.26	4	NC*
<u>Leukemia</u>			
Male	7.08	5	71
Female	5.49	6	109
Total	12.57	11	88
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	3.41	1	NC*
Female	1.33	0	NC*
Total	4.75	1	NC*
<u>Lung and Bronchus</u>			
Male	44.96	48	107
Female	35.79	42	117
Total	80.75	90	111

<u>Stomach</u>			
Male	6.04	1	NC*
Female	3.52	2	NC*
Total	9.56	3	NC*
<u>Testis</u>			
Male	4.14	2	NC*
<u>Thyroid</u>			
Male	2.22	0	NC*
Female	6.05	8	132
Total	8.28	8	97
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	17.53	10	57
<u>All Sites / Types</u>			
Male	293.39	244	83 ~-
Female	280.86	287	102
Total	574.25	531	92

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North Brookfield

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	3.02	2	NC*
Female	1.10	1	NC*
Total	4.12	3	NC*
<u>Brain and Other Central Nervous System</u>			
Male	0.93	4	NC*
Female	0.74	0	NC*
Total	1.68	4	NC*
<u>Breast</u>			
Male	0.14	0	NC*
Female	18.10	21	116
Total	18.25	21	115
<u>Cervix Uteri</u>			
Female	1.07	1	NC*

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	2.07	2	NC*
Female	1.54	2	NC*
Total	3.61	4	NC*
<u>Multiple Myeloma</u>			
Male	0.59	0	NC*
Female	0.50	0	NC*
Total	1.10	0	NC*
<u>Non-Hodgkin('s) Lymphoma</u>			
Male	2.50	4	NC*
Female	2.15	1	NC*
Total	4.66	5	107
<u>Oral Cavity and Pharynx</u>			
Male	1.90	0	NC*
Female	0.89	0	NC*
Total	2.79	0	NC*

Colon / Rectum

Male	7.47	8	107
Female	6.93	5	72
Total	14.41	13	90

Esophagus

Male	1.07	0	NC*
Female	0.34	0	NC*
Total	1.41	0	NC*

Hodgkin's Disease (Hodgkin Lymphoma)

Male	0.49	0	NC*
Female	0.38	1	NC*
Total	0.87	1	NC*

Kidney and Renal Pelvis

Male	1.80	3	NC*
Female	1.08	0	NC*
Total	2.89	3	NC*

Larynx

Male	1.01	0	NC*
Female	0.25	0	NC*
Total	1.25	0	NC*

Leukemia

Male	1.47	1	NC*
Female	1.11	0	NC*
Total	2.57	1	NC*

Liver and Intrahepatic Bile Ducts

Male	0.69	0	NC*
Female	0.28	0	NC*
Total	0.97	0	NC*

Lung and Bronchus

Male	9.38	11	117
Female	7.40	7	95
Total	16.79	18	107

Ovary

Female	2.13	0	NC*
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Pancreas

Male	1.26	0	NC*
Female	1.27	1	NC*
Total	2.53	1	NC*

Prostate

Male	18.04	16	89
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Stomach

Male	1.28	1	NC*
Female	0.75	1	NC*
Total	2.03	2	NC*

Testis

Male	0.77	0	NC*
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Thyroid

Male	0.42	0	NC*
Female	1.11	1	NC*
Total	1.53	1	NC*

Uteri, Corpus and Uterus, NOS

Female	3.47	6	173
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All Sites / Types

Male	60.52	54	89
Female	56.70	56	99
Total	117.22	110	94

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North Reading

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	7.16	2	NC*	Male	5.23	9	172
Female	2.55	2	NC*	Female	3.94	4	NC*
Total	9.71	4	NC*	Total	9.18	13	142
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			

Male	2.44	1	NC*
Female	1.87	3	NC*
Total	4.30	4	NC*

Breast

Male	0.36	0	NC*
Female	47.39	42	89
Total	47.75	42	88

Cervix Uteri

Female	2.79	0	NC*
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Colon / Rectum

Male	18.12	22	121
Female	15.91	11	69
Total	34.03	33	97

Esophagus

Male	2.84	2	NC*
Female	0.77	2	NC*
Total	3.61	4	NC*

Hodgkin's Disease (Hodgkin Lymphoma)

Male	1.21	1	NC*
Female	0.92	1	NC*
Total	2.14	2	NC*

Kidney and Renal Pelvis

Male	4.66	5	107
Female	2.74	6	219
Total	7.39	11	149

Larynx

Male	2.73	1	NC*
Female	0.66	0	NC*
Total	3.39	1	NC*

Leukemia

Male	3.58	4	NC*
Female	2.69	1	NC*
Total	6.27	5	80

Liver and Intrahepatic Bile Ducts

Male	1.82	1	NC*
Female	0.67	0	NC*
Total	2.48	1	NC*

Lung and Bronchus

Male	24.21	25	103
Female	18.65	20	107
Total	42.87	45	105

Male	1.47	1	NC*
Female	1.22	0	NC*
Total	2.69	1	NC*

Non-Hodgkin('s) Lymphoma

Male	6.20	3	NC*
Female	5.22	6	115
Total	11.42	9	79

Oral Cavity and Pharynx

Male	5.09	4	NC*
Female	2.26	3	NC*
Total	7.34	7	95

Ovary

Female	5.54	3	NC*
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Pancreas

Male	3.16	2	NC*
Female	2.98	0	NC*
Total	6.13	2	NC*

Prostate

Male	48.87	49	100
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Stomach

Male	3.08	1	NC*
Female	1.71	0	NC*
Total	4.79	1	NC*

Testis

Male	1.82	4	NC*
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Thyroid

Male	1.10	0	NC*
Female	2.87	4	NC*
Total	3.97	4	NC*

Uteri, Corpus and Uterus, NOS

Female	9.23	4	NC*
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All Sites / Types

Male	155.18	141	91
Female	142.22	122	86
Total	297.40	263	88 #–

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Northampton

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	17.94	14	78	Male	12.10	11	91
Female	7.81	9	115	Female	10.67	11	103
Total	25.76	23	89	Total	22.78	22	97
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	5.31	5	94	Male	3.50	9	257 #+
Female	4.92	3	NC*	Female	3.41	3	NC*
Total	10.23	8	78	Total	6.91	12	174
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.84	0	NC*	Male	14.59	12	82
Female	121.00	107	88	Female	14.80	13	88
Total	121.84	107	88	Total	29.39	25	85
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	7.46	2	NC*	Male	11.17	11	98
				Female	6.03	7	116
				Total	17.21	18	105
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	44.44	43	97	Female	14.27	15	105
Female	49.32	39	79				
Total	93.76	82	87				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	6.37	9	141	Male	7.50	1	NC*
Female	2.39	2	NC*	Female	8.92	6	67
Total	8.76	11	126	Total	16.42	7	43 #-
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	2.76	4	NC*	Male	108.53	91	84
Female	2.68	3	NC*				
Total	5.44	7	129				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	10.54	13	123	Male	7.59	3	NC*
Female	7.26	12	165	Female	5.46	4	NC*
Total	17.80	25	140	Total	13.05	7	54
<u>Larynx</u>				<u>Testis</u>			
Male	5.96	5	84	Male	4.36	3	NC*
Female	1.59	1	NC*				
Total	7.55	6	79				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	8.37	6	72	Male	2.44	2	NC*
Female	7.59	4	NC*	Female	7.80	8	103
Total	15.96	10	63	Total	10.24	10	98
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	4.07	2	NC*	Female	22.64	23	102
Female	1.94	0	NC*				
Total	6.01	2	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	55.96	53	95	Male	358.86	321	89 #-
Female	48.76	41	84	Female	385.73	336	87 #-

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Northborough

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	6.95	7	101	Male	5.33	7	131
Female	2.41	3	NC*	Female	3.94	4	NC*
Total	9.36	10	107	Total	9.27	11	119
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	2.50	2	NC*	Male	1.46	1	NC*
Female	1.86	1	NC*	Female	1.17	1	NC*
Total	4.35	3	NC*	Total	2.63	2	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.35	0	NC*	Male	6.27	10	159
Female	47.16	52	110	Female	5.03	3	NC*
Total	47.52	52	109	Total	11.30	13	115
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	2.82	1	NC*	Male	5.19	5	96
				Female	2.22	4	NC*
				Total	7.41	9	121
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	17.60	10	57	Female	5.52	5	91
Female	14.96	16	107				
Total	32.56	26	80				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	2.82	1	NC*	Male	3.10	1	NC*
Female	0.73	0	NC*	Female	2.80	5	178
Total	3.54	1	NC*	Total	5.90	6	102
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	1.28	2	NC*	Male	47.14	46	98
Female	0.93	1	NC*				
Total	2.21	3	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	4.70	3	NC*	Male	3.04	0	NC*
Female	2.67	0	NC*	Female	1.62	0	NC*
Total	7.36	3	NC*	Total	4.66	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	2.73	0	NC*	Male	1.96	0	NC*
Female	0.65	1	NC*				
Total	3.38	1	NC*				

<u>Leukemia</u>				<u>Thyroid</u>			
Male	3.60	3	NC*	Male	1.16	0	NC*
Female	2.67	1	NC*	Female	2.91	3	NC*
Total	6.27	4	NC*	Total	4.07	3	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.82	2	NC*	Female	9.15	11	120
Female	0.64	1	NC*				
Total	2.45	3	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	23.48	16	68	Male	152.45	129	85
Female	17.84	8	45 #-	Female	139.00	125	90
Total	41.32	24	58 ~-	Total	291.46	254	87 #-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

Northbridge

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	8.34	5	60	Male	5.55	7	126
Female	3.45	4	NC*	Female	4.53	8	177
Total	11.79	9	76	Total	10.08	15	149
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	2.51	3	NC*	Male	1.61	1	NC*
Female	2.16	0	NC*	Female	1.52	0	NC*
Total	4.68	3	NC*	Total	3.13	1	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.39	0	NC*	Male	6.76	5	74
Female	52.77	55	104	Female	6.48	5	77
Total	53.16	55	103	Total	13.25	10	75
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	3.07	5	163	Male	5.13	5	97
				Female	2.65	2	NC*
				Total	7.78	7	90
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	20.63	15	73	Female	6.19	5	81
Female	21.76	19	87				
Total	42.39	34	80				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	2.94	3	NC*	Male	3.48	6	172
Female	1.05	4	NC*	Female	3.95	9	228 #+
Total	4.00	7	175	Total	7.43	15	202 #+
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			

Male	1.30	1	NC*
Female	1.10	0	NC*
Total	2.39	1	NC*

Kidney and Renal Pelvis

Male	4.86	2	NC*
Female	3.21	5	156
Total	8.07	7	87

Larynx

Male	2.74	0	NC*
Female	0.71	1	NC*
Total	3.45	1	NC*

Leukemia

Male	3.99	3	NC*
Female	3.37	1	NC*
Total	7.36	4	NC*

Liver and Intrahepatic Bile Ducts

Male	1.88	2	NC*
Female	0.86	0	NC*
Total	2.74	2	NC*

Lung and Bronchus

Male	25.84	20	77
Female	21.78	24	110
Total	47.63	44	92

Male	50.20	52	104
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Stomach

Male	3.53	3	NC*
Female	2.38	1	NC*
Total	5.91	4	NC*

Testis

Male	1.98	2	NC*
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Thyroid

Male	1.11	3	NC*
Female	3.17	5	158
Total	4.28	8	187

Uteri, Corpus and Uterus, NOS

Female	10.03	6	60
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All Sites / Types

Male	166.24	149	90
Female	168.93	164	97
Total	335.17	313	93

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Northfield

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	2.02	1	NC*
Female	0.83	0	NC*
Total	2.85	1	NC*

Brain and Other Central Nervous System

Male	0.59	0	NC*
Female	0.49	0	NC*
Total	1.08	0	NC*

Breast

Male	0.10	1	NC*
Female	12.81	13	102
Total	12.90	14	109

Cervix Uteri

Melanoma of Skin

Male	1.35	0	NC*
Female	1.05	0	NC*
Total	2.40	0	NC*

Multiple Myeloma

Male	0.40	0	NC*
Female	0.37	0	NC*
Total	0.77	0	NC*

Non-Hodgkin('s) Lymphoma

Male	1.61	1	NC*
Female	1.53	3	NC*
Total	3.15	4	NC*

Oral Cavity and Pharynx

Male	1.30	0	NC*
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Female	0.69	1	NC*	Female	0.64	0	NC*
				Total	1.94	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	5.02	3	NC*	Female	1.48	1	NC*
Female	5.22	4	NC*				
Total	10.24	7	68				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.75	1	NC*	Male	0.86	2	NC*
Female	0.25	0	NC*	Female	0.96	1	NC*
Total	1.00	1	NC*	Total	1.82	3	NC*
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	0.27	0	NC*	Male	12.67	10	79
Female	0.23	0	NC*				
Total	0.50	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	1.21	0	NC*	Male	0.86	2	NC*
Female	0.78	1	NC*	Female	0.57	1	NC*
Total	1.99	1	NC*	Total	1.43	3	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.70	0	NC*	Male	0.38	2	NC*
Female	0.18	0	NC*				
Total	0.88	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.94	1	NC*	Male	0.26	1	NC*
Female	0.78	0	NC*	Female	0.69	3	NC*
Total	1.72	1	NC*	Total	0.95	4	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.47	0	NC*	Female	2.48	4	NC*
Female	0.21	0	NC*				
Total	0.68	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	6.41	4	NC*	Male	40.86	32	78
Female	5.33	2	NC*	Female	40.59	37	91
Total	11.74	6	51	Total	81.45	69	85

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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Norton

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	6.84	7	102	Male	5.34	5	94
Female	2.66	3	NC*	Female	4.55	8	176

Total	9.50	10	105
<u>Brain and Other Central Nervous System</u>			
Male	2.59	3	NC*
Female	2.19	2	NC*
Total	4.78	5	105
<u>Breast</u>			
Male	0.35	0	NC*
Female	51.12	45	88
Total	51.47	45	87
<u>Cervix Uteri</u>			
Female	3.36	2	NC*
<u>Colon / Rectum</u>			
Male	17.31	21	121
Female	16.64	12	72
Total	33.95	33	97
<u>Esophagus</u>			
Male	2.75	2	NC*
Female	0.80	0	NC*
Total	3.55	2	NC*
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>			
Male	1.39	1	NC*
Female	1.22	0	NC*
Total	2.61	1	NC*
<u>Kidney and Renal Pelvis</u>			
Male	4.65	4	NC*
Female	2.89	4	NC*
Total	7.54	8	106
<u>Larynx</u>			
Male	2.66	6	225
Female	0.67	0	NC*
Total	3.33	6	180
<u>Leukemia</u>			
Male	3.71	2	NC*
Female	3.10	1	NC*
Total	6.81	3	NC*
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	1.80	5	279
Female	0.70	1	NC*
Total	2.49	6	241
<u>Lung and Bronchus</u>			
Male	22.89	17	74
Female	18.90	28	148
Total	41.79	45	108

Total	9.89	13	132
<u>Multiple Myeloma</u>			
Male	1.43	1	NC*
Female	1.26	2	NC*
Total	2.69	3	NC*
<u>Non-Hodgkin('s) Lymphoma</u>			
Male	6.35	2	NC*
Female	5.65	7	124
Total	12.00	9	75
<u>Oral Cavity and Pharynx</u>			
Male	5.13	7	136
Female	2.41	0	NC*
Total	7.54	7	93
<u>Ovary</u>			
Female	6.11	6	98
<u>Pancreas</u>			
Male	3.05	1	NC*
Female	3.06	6	196
Total	6.10	7	115
<u>Prostate</u>			
Male	45.64	26	57 ~-
<u>Stomach</u>			
Male	3.01	3	NC*
Female	1.83	1	NC*
Total	4.83	4	NC*
<u>Testis</u>			
Male	2.17	1	NC*
<u>Thyroid</u>			
Male	1.20	0	NC*
Female	3.60	1	NC*
Total	4.80	1	NC*
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	9.64	11	114
<u>All Sites / Types</u>			
Male	150.35	119	79 ~-
Female	152.91	150	98
Total	303.27	269	89 #-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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Norwell

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	6.38	7	110	Male	4.66	7	150
Female	2.15	3	NC*	Female	3.35	5	149
Total	8.53	10	117	Total	8.01	12	150
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	2.13	1	NC*	Male	1.33	1	NC*
Female	1.58	2	NC*	Female	1.07	1	NC*
Total	3.71	3	NC*	Total	2.39	2	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.32	0	NC*	Male	5.47	3	NC*
Female	41.97	43	102	Female	4.44	4	NC*
Total	42.29	43	102	Total	9.91	7	71
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	2.32	1	NC*	Male	4.63	5	108
				Female	1.97	1	NC*
				Total	6.61	6	91
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	16.12	17	105	Female	4.85	3	NC*
Female	13.34	12	90				
Total	29.46	29	98				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	2.57	1	NC*	Male	2.83	3	NC*
Female	0.65	0	NC*	Female	2.52	2	NC*
Total	3.22	1	NC*	Total	5.35	5	93
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	1.00	0	NC*	Male	43.61	46	105
Female	0.71	0	NC*				
Total	1.71	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	4.20	4	NC*	Male	2.76	2	NC*
Female	2.40	4	NC*	Female	1.41	2	NC*
Total	6.60	8	121	Total	4.17	4	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	2.48	1	NC*	Male	1.41	0	NC*
Female	0.60	0	NC*				
Total	3.08	1	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	3.15	2	NC*	Male	0.96	4	NC*
Female	2.27	3	NC*	Female	2.33	5	215
Total	5.42	5	92	Total	3.29	9	274 #+
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.64	3	NC*	Female	8.33	8	96
Female	0.57	0	NC*				
Total	2.20	3	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			

Male	21.56	11	51 #-	Male	138.04	123	89
Female	16.47	9	55	Female	123.39	116	94
Total	38.03	20	53 ~-	Total	261.43	239	91

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Norwood

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	19.31	23	119	Male	12.58	22	175 #+
Female	8.72	8	92	Female	10.74	13	121
Total	28.03	31	111	Total	23.31	35	150 #+
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	5.58	8	143	Male	3.71	2	NC*
Female	5.00	3	NC*	Female	3.77	2	NC*
Total	10.58	11	104	Total	7.48	4	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.89	2	NC*	Male	15.30	16	105
Female	127.33	129	101	Female	15.95	18	113
Total	128.23	131	102	Total	31.25	34	109
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	7.13	5	70	Male	11.45	7	61
				Female	6.49	1	NC*
				Total	17.93	8	45 #-
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	47.88	66	138 #+	Female	14.82	12	81
Female	54.81	66	120				
Total	102.69	132	129 ~+				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	6.69	13	194 #+	Male	7.96	8	100
Female	2.68	3	NC*	Female	10.05	7	70
Total	9.37	16	171	Total	18.01	15	83
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	2.89	1	NC*	Male	117.74	128	109
Female	2.47	2	NC*				
Total	5.36	3	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	11.02	11	100	Male	8.01	14	175
Female	7.92	10	126	Female	6.00	13	217 #+
Total	18.94	21	111	Total	14.02	27	193 ~+
<u>Larynx</u>				<u>Testis</u>			
Male	6.24	12	192	Male	4.56	7	154

Female	1.76	3	NC*
Total	8.00	15	187 #+

Leukemia

Male	8.92	13	146
Female	7.95	8	101
Total	16.88	21	124

Liver and Intrahepatic Bile Ducts

Male	4.28	4	NC*
Female	2.16	1	NC*
Total	6.44	5	78

Lung and Bronchus

Male	60.61	74	122
Female	54.64	64	117
Total	115.25	138	120 #+

Thyroid

Male	2.49	3	NC*
Female	7.22	11	152
Total	9.70	14	144

Uteri, Corpus and Uterus, NOS

Female	24.37	33	135
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All Sites / Types

Male	384.23	460	120 ^+
Female	413.23	457	111 #+
Total	797.45	917	115 ^+

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Oak Bluffs

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	2.47	3	NC*
Female	1.03	4	NC*
Total	3.51	7	200

Brain and Other Central Nervous System

Male	0.72	4	NC*
Female	0.60	0	NC*
Total	1.32	4	NC*

Breast

Male	0.12	0	NC*
Female	15.57	23	148
Total	15.69	23	147

Cervix Uteri

Female	0.82	0	NC*
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Colon / Rectum

Male	6.12	3	NC*
Female	6.47	6	93
Total	12.59	9	72

Esophagus

Male	0.88	3	NC*
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Melanoma of Skin

Male	1.63	3	NC*
Female	1.26	3	NC*
Total	2.89	6	207

Multiple Myeloma

Male	0.48	0	NC*
Female	0.46	0	NC*
Total	0.94	0	NC*

Non-Hodgkin('s) Lymphoma

Male	1.97	0	NC*
Female	1.91	6	315 #+
Total	3.88	6	155

Oral Cavity and Pharynx

Male	1.53	3	NC*
Female	0.79	0	NC*
Total	2.31	3	NC*

Ovary

Female	1.80	2	NC*
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Pancreas

Male	1.03	2	NC*
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Female	0.32	0	NC*
Total	1.19	3	NC*

Hodgkin's Disease (Hodgkin Lymphoma)

Male	0.35	0	NC*
Female	0.27	2	NC*
Total	0.62	2	NC*

Kidney and Renal Pelvis

Male	1.45	3	NC*
Female	0.97	0	NC*
Total	2.41	3	NC*

Larynx

Male	0.82	3	NC*
Female	0.22	0	NC*
Total	1.04	3	NC*

Leukemia

Male	1.15	0	NC*
Female	0.95	1	NC*
Total	2.10	1	NC*

Liver and Intrahepatic Bile Ducts

Male	0.56	1	NC*
Female	0.26	1	NC*
Total	0.82	2	NC*

Lung and Bronchus

Male	7.71	7	91
Female	6.77	3	NC*
Total	14.48	10	69

Female	1.20	2	NC*
Total	2.23	4	NC*

Prostate

Male	14.99	16	107
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Stomach

Male	1.04	1	NC*
Female	0.70	2	NC*
Total	1.74	3	NC*

Testis

Male	0.52	1	NC*
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Thyroid

Male	0.32	0	NC*
Female	0.81	1	NC*
Total	1.13	1	NC*

Uteri, Corpus and Uterus, NOS

Female	3.05	3	NC*
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All Sites / Types

Male	49.19	55	112
Female	49.89	61	122
Total	99.08	116	117

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

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Oakham

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	0.95	0	NC*
Female	0.30	0	NC*
Total	1.25	0	NC*

Brain and Other Central Nervous System

Male	0.32	0	NC*
Female	0.24	0	NC*
Total	0.57	0	NC*

Breast

Male	0.05	1	NC*
Female	5.89	3	NC*

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	0.70	0	NC*
Female	0.49	0	NC*
Total	1.19	0	NC*

Multiple Myeloma

Male	0.20	0	NC*
Female	0.15	0	NC*
Total	0.35	0	NC*

Non-Hodgkin('s) Lymphoma

Male	0.82	2	NC*
Female	0.63	0	NC*

Total	5.94	4	NC*	Total	1.46	2	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.35	0	NC*	Male	0.68	0	NC*
				Female	0.28	0	NC*
				Total	0.96	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	2.39	3	NC*	Female	0.69	0	NC*
Female	1.87	3	NC*				
Total	4.26	6	141				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.38	1	NC*	Male	0.42	0	NC*
Female	0.09	0	NC*	Female	0.35	0	NC*
Total	0.47	1	NC*	Total	0.76	0	NC*
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	0.16	0	NC*	Male	6.29	5	79
Female	0.12	1	NC*				
Total	0.27	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.63	0	NC*	Male	0.41	0	NC*
Female	0.33	1	NC*	Female	0.20	0	NC*
Total	0.96	1	NC*	Total	0.61	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.36	1	NC*	Male	0.22	0	NC*
Female	0.08	0	NC*				
Total	0.44	1	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.48	0	NC*	Male	0.14	0	NC*
Female	0.34	0	NC*	Female	0.37	0	NC*
Total	0.83	0	NC*	Total	0.51	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.24	0	NC*	Female	1.15	2	NC*
Female	0.08	0	NC*				
Total	0.32	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	3.17	4	NC*	Male	20.35	18	88
Female	2.23	2	NC*	Female	17.42	12	69
Total	5.40	6	111	Total	37.77	30	79

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Orange

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

<u>Exp</u>	<u>Obs</u>	<u>SIR</u>	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
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Bladder, Urinary

Male	4.50	5	111
Female	1.97	0	NC*
Total	6.47	5	77

Brain and Other Central Nervous System

Male	1.41	0	NC*
Female	1.23	1	NC*
Total	2.64	1	NC*

Breast

Male	0.22	0	NC*
Female	30.33	20	66
Total	30.55	20	65

Cervix Uteri

Female	1.70	1	NC*
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Colon / Rectum

Male	11.22	7	62
Female	12.39	13	105
Total	23.60	20	85

Esophagus

Male	1.64	1	NC*
Female	0.60	0	NC*
Total	2.24	1	NC*

Hodgkin's Disease (Hodgkin Lymphoma)

Male	0.70	0	NC*
Female	0.59	1	NC*
Total	1.30	1	NC*

Kidney and Renal Pelvis

Male	2.72	2	NC*
Female	1.86	2	NC*
Total	4.58	4	NC*

Larynx

Male	1.55	2	NC*
Female	0.42	0	NC*
Total	1.97	2	NC*

Leukemia

Male	2.19	7	320 #+
Female	1.91	3	NC*
Total	4.10	10	244 #+

Liver and Intrahepatic Bile Ducts

Male	1.05	2	NC*
Female	0.50	0	NC*
Total	1.55	2	NC*

Lung and Bronchus

Male	14.48	11	76
Female	12.80	10	78
Total	27.28	21	77

Melanoma of Skin

Male	3.06	2	NC*
Female	2.54	2	NC*
Total	5.60	4	NC*

Multiple Myeloma

Male	0.89	0	NC*
Female	0.88	0	NC*
Total	1.77	0	NC*

Non-Hodgkin('s) Lymphoma

Male	3.69	4	NC*
Female	3.71	7	189
Total	7.40	11	149

Oral Cavity and Pharynx

Male	2.87	3	NC*
Female	1.52	2	NC*
Total	4.39	5	114

Ovary

Female	3.54	3	NC*
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Pancreas

Male	1.89	2	NC*
Female	2.27	2	NC*
Total	4.17	4	NC*

Prostate

Male	28.37	17	60 #–
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Stomach

Male	1.89	4	NC*
Female	1.34	0	NC*
Total	3.23	4	NC*

Testis

Male	1.05	0	NC*
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Thyroid

Male	0.61	2	NC*
Female	1.73	3	NC*
Total	2.34	5	214

Uteri, Corpus and Uterus, NOS

Female	5.85	7	120
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All Sites / Types

Male	92.18	78	85
Female	96.88	86	89
Total	189.06	164	87

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Orleans

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	9.99	20	200 ~+	Male	5.11	9	176
Female	3.67	6	164	Female	3.40	8	235 #+
Total	13.66	26	190 ~+	Total	8.51	17	200 #+
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.91	1	NC*	Male	1.78	2	NC*
Female	1.58	1	NC*	Female	1.51	0	NC*
Total	3.49	2	NC*	Total	3.30	2	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.42	1	NC*	Male	6.39	5	78
Female	44.29	61	138 #+	Female	6.01	9	150
Total	44.71	62	139 #+	Total	12.40	14	113
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	1.87	0	NC*	Male	4.61	7	152
				Female	2.41	3	NC*
				Total	7.02	10	142
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	24.03	17	71	Female	4.96	5	101
Female	23.12	18	78				
Total	47.15	35	74				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	3.00	2	NC*	Male	3.85	6	156
Female	1.14	2	NC*	Female	4.21	3	NC*
Total	4.14	4	NC*	Total	8.06	9	112
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	0.71	0	NC*	Male	53.94	93	172 ^+
Female	0.57	0	NC*				
Total	1.27	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	4.72	5	106	Male	4.01	2	NC*
Female	2.97	0	NC*	Female	2.52	1	NC*
Total	7.68	5	65	Total	6.53	3	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	2.64	3	NC*	Male	0.80	0	NC*
Female	0.64	0	NC*				
Total	3.28	3	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	3.84	3	NC*	Male	0.71	0	NC*
Female	2.90	2	NC*	Female	1.68	1	NC*
Total	6.74	5	74	Total	2.39	1	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.83	3	NC*				

Female	0.88	1	NC*	Female	8.72	11	126
Total	2.71	4	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	28.54	26	91	Male	174.83	219	125 ~+
Female	21.14	17	80	Female	152.62	164	107
Total	49.69	43	87	Total	327.46	383	117 ~+

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